



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA  
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208

Miami, Florida 33175-2474

T (786) 315-2590 F (786) 315-2599

[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

ES Windows, LLC

10653 N.E. Quaybridge Ct.

Miami, FL 33138

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION:** Series "9500 Aluminum Fixed Window - L. M. I.

**APPROVAL DOCUMENT:** Drawing No. W10-25, titled "Series 9500 Aluminum Fixed Window (L.M.I.)", sheets 1 through 9 of 9, dated 04/20/10, prepared by AL-Farooq Corporations, with revision "B" dated 06/15/12, signed and sealed by Javad Ahmad, P. E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING:** Large and Small Missile Impact Resistant.

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, **Barranquilla, Colombia**, series and following statement: "Miami-Dade County Product Control Approved" unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA No. 10-0603.14 and consists of this page 1, evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**

MIAMI-DADE COUNTY  
APPROVED

J. Gascon  
9/6/12

NOA No. 12-0320.11

Expiration Date: October 28, 2014

Approval Date: September 13, 2012

Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.  
*(Submitted under previous NOA No. 09-0623.01)*
2. Drawing No. **W10-25**, titled "Series 9500 Aluminum Fixed Window (L.M.I.)", sheets 1 through 9 of 9, dated 04/20/10, prepared by AL-Farooq Corporations, with revision "B" dated 06/15/12, signed and sealed by Javad Ahmad, P. E.

**B. TESTS**

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of an Aluminum fixed window, both prepared by Fenestration Testing Laboratory, Inc., Test Reports No.'s **FTL-6129**, dated 03/10/10, and **FTL-5991**, dated 10/02/09, both signed and sealed by Jorge A. Causo, P. E.  
*(Submitted under previous NOA No. 09-0623.01)*
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94  
along with marked-up drawings and installation diagram of an Aluminum fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5546**, dated 01/09/09, signed and sealed by Michael R. Wenzel, P. E.  
*(Submitted under previous NOA No. 09-0623.01)*

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with **FBC-2010**, prepared by Al-Farooq Corporation, dated 06/13/12, signed and sealed by Javad Ahmad, P. E.
2. Glazing complies with **ASTM E1300-04**

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER).



Jaime D. Gascon, P. E.  
Product Control Section Supervisor  
NOA No. 12-0320.11  
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**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **11-0624.02** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Sentry Glass® Interlayer**" dated 05/26/2010, expiring on 01/14/17.
2. Notice of Acceptance No. **11-0624.01** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Butacite® PVB Interlayer**" dated 09/08/2011, expiring on 12/11/2016.

**F. STATEMENTS**

1. Statement letter of no financial interest, conformance and compliance with the **FBC-2010**, dated 03/13/12, signed and sealed by Javad Ahmad, P. E.
2. Distributor Agreement between, E.S. Windows – Energia Solar S.A., Barranquilla, Colombia and E.S. Windows, LLC, Miami, Florida, U.S.A., dated 10/20/10, signed by Carla Garcia Torrente and by Andres Chamorro, respectively.  
*(Submitted under previous NOA No. 10-0603.14)*
3. Laboratory compliance letter for Test Reports No.'s **FTL-6129**, dated 03/10/10, and **FTL-5991**, dated 10/02/09, both issued by Fenestration Testing Laboratory, Inc., both signed and sealed by Jorge A. Causo, P. E.  
*(Submitted under previous NOA No. 09-0623.01)*
4. Laboratory compliance letter for Test Report No. **FTL-5546**, issued by Fenestration Testing Laboratory, Inc., dated 01/09/09, signed and sealed by Michael R. Wenzel, P. E.  
*(Submitted under previous NOA No. 09-0623.01)*
5. Proposal No. **07-4070** issued by Product Control, dated February 22, 2008, signed by Ishaq Chanda, P. E.  
*(Submitted under previous NOA No. 09-0623.01)*

**G. OTHERS**

1. Notice of Acceptance No. **10-0603.14**, issued to ES Windows, LLC, for their Series "**9500 Aluminum Fixed Window – L.M.I.**", approved on 12/09/10 and expiring on 10/28/14.



Jaime D. Gascon, P. E.  
Product Control Section Supervisor  
NOA No. 12-0320.11  
Expiration Date: October 28, 2014  
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THESE WINDOWS ARE RATED FOR LARGE & SMALL MISSILE IMPACT.  
SHUTTERS ARE NOT REQUIRED.

## SERIES 9500 ALUMINUM FIXED WINDOWS

DESIGN LOAD CAPACITY FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEET 2.  
SEE GLASS LOAD CAPACITY CHART FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.  
SEE ANCHOR LOAD CAPACITY CHART FOR NUMBER OF ANCHORS REQUIRED AT EACH CORNER.  
LOWER DESIGN PRESSURES FROM GLASS OR ANCHOR CHARTS WILL APPLY TO ENTIRE SYSTEM.

CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

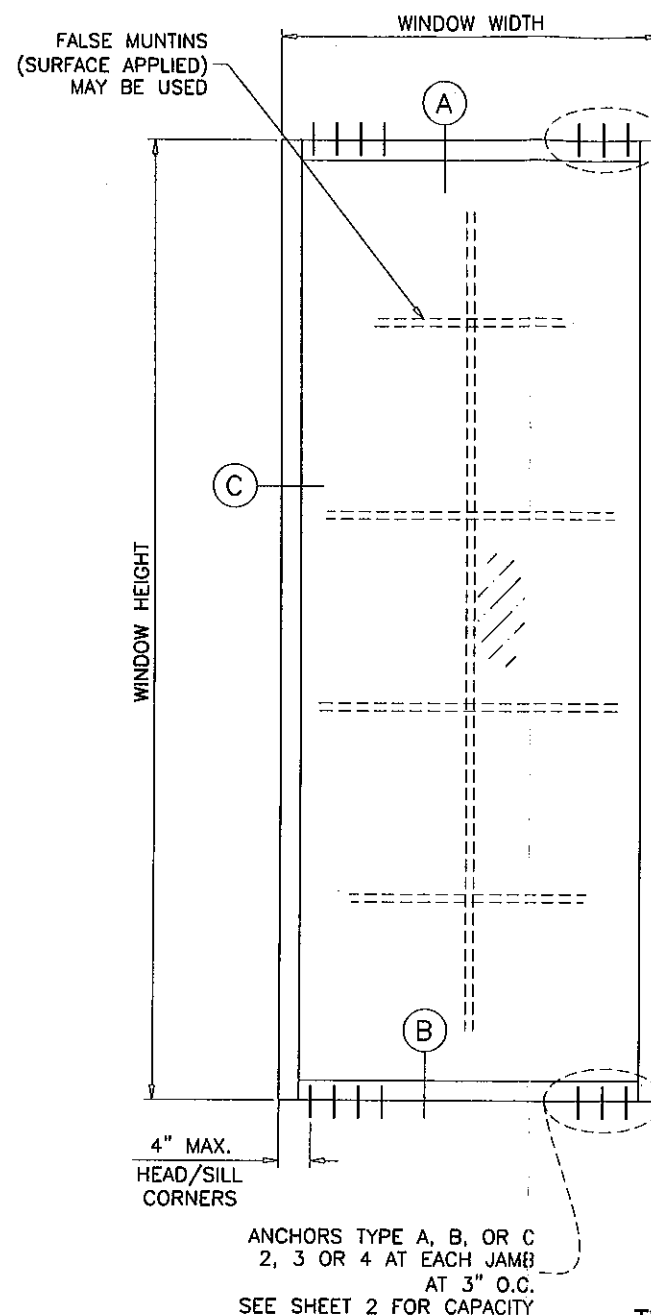
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BLDG. CODE SECTION 2003.8.4.

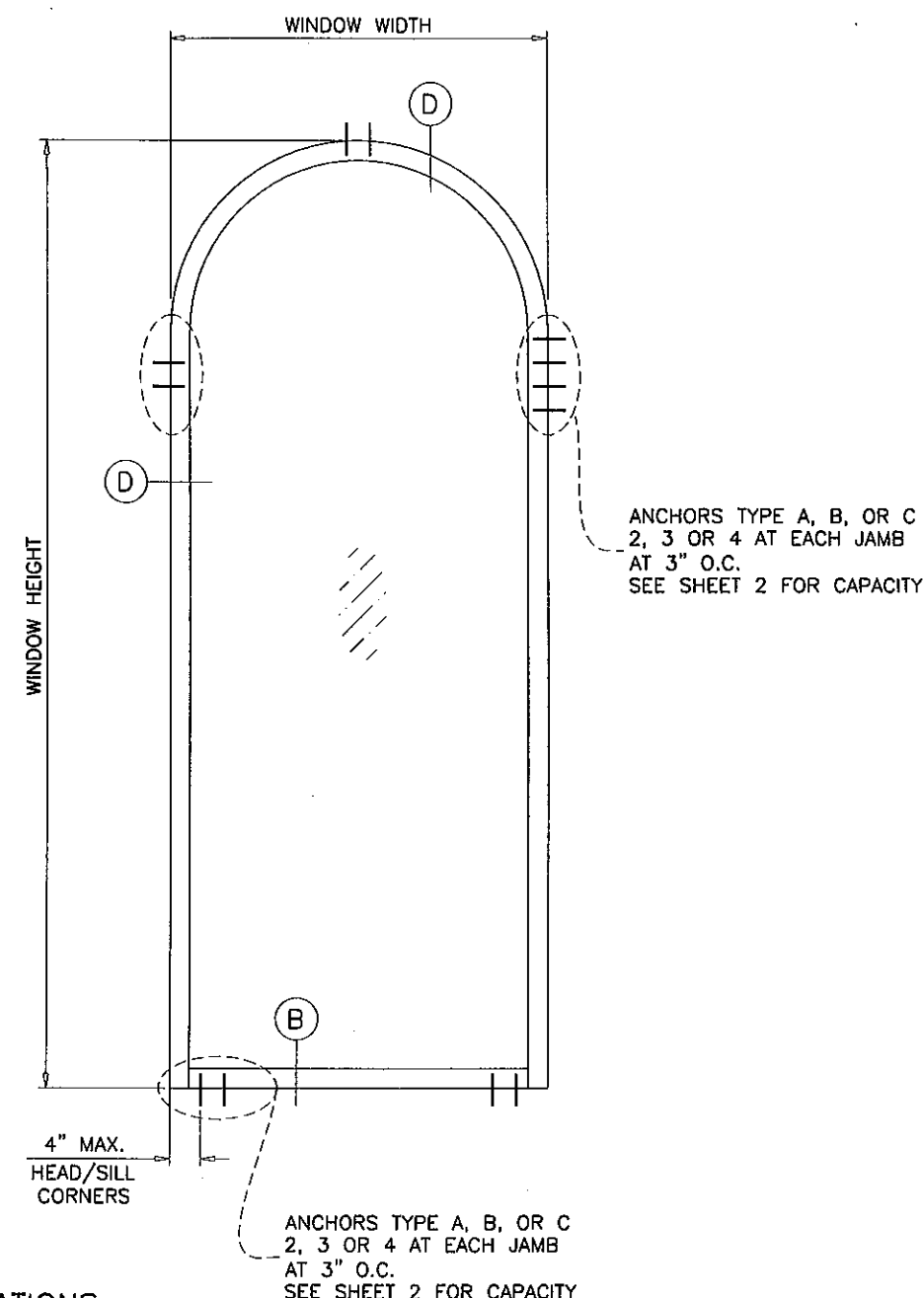


ANCHORS TYPE A, B, OR C  
2, 3 OR 4 AT EACH JAMB  
AT 3" O.C.  
SEE SHEET 2 FOR CAPACITY

## TYPICAL ELEVATIONS

### DAYLITE OPENINGS:

D.L.O. HEIGHT = WINDOW HEIGHT - 5.0"  
D.L.O. WIDTH = WINDOW WIDTH - 5.0"



ANCHORS TYPE A, B, OR C  
2, 3 OR 4 AT EACH JAMB  
AT 3" O.C.  
SEE SHEET 2 FOR CAPACITY

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. **12-0320.11**  
Expiration Date **12/28/2014**  
By *[Signature]*  
Miami Dade Product Control

LAMINATED GLASS  
INSUL. LAM. GLASS  
LARGE MISSILE IMPACT

WINDOWS WITH GLASS TYPES 'A' & 'B' COMPLIES  
WITH REQUIREMENTS OF ANSI Z97.1.

Engr: JAVAD AHMAD  
CIVIL  
FLA. PE # 70592  
C.A.N. 3538

AUG 14 2012

**af c**

**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
12395 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978

COMP - ANL\W10-25ES

SERIES 9500 ALUMINUM FIXED WDW. (L.M.I.)

**E.S. WINDOWS, LLC**  
5220 N.W. 72 AVE. BAY #4  
MIAMI, FL. 33166  
TEL. (305) 624-7775 FAX. (305) 624-7777

revisions:  
no. date by description

A	03.13.12	REV. PER PERA COMMENTS
B	06.15.12	

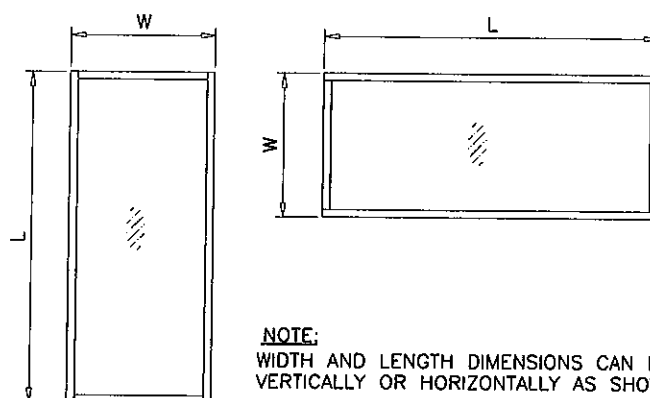
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dr. by: HAMID  
chk. by:

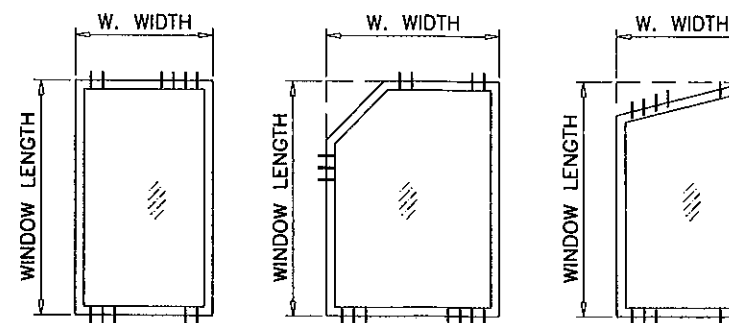
drawing no.  
**W10-25**

sheet 1 of 9

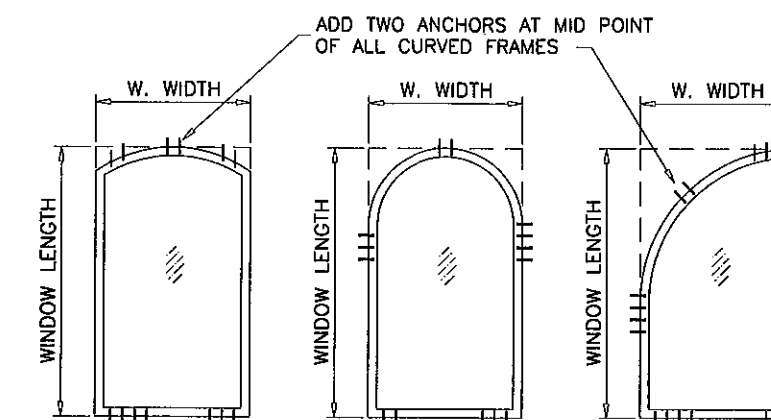
GLASS LOAD CAPACITY - PSF				
WINDOW DIMS.		GLASS TYPE 'A'	GLASS TYPE 'B'	GLASS TYPES 'A1' & 'B1'
WIDTH	LENGTH	EXT.(+)/INT.(-)	EXT.(+)/INT.(-)	EXT.(+)/INT.(-)
30"	90"	65.0	120.0	90.0
36"		65.0	120.0	90.0
42"		65.0	120.0	90.0
48"		65.0	120.0	90.0
54"		65.0	120.0	90.0
60"		65.0	120.0	90.0
30"	96"	65.0	120.0	90.0
36"		65.0	120.0	90.0
42"		65.0	120.0	90.0
48"		65.0	120.0	90.0
54"		65.0	120.0	90.0
60"		65.0	120.0	90.0
30"	102"	65.0	120.0	90.0
36"		65.0	120.0	90.0
42"		65.0	120.0	90.0
48"		65.0	120.0	90.0
54"		65.0	120.0	90.0
30"	108"	65.0	120.0	90.0
36"		65.0	120.0	90.0
42"		65.0	120.0	90.0
48"		65.0	120.0	90.0
30"	114"	65.0	120.0	90.0
36"		65.0	120.0	90.0
42"		65.0	120.0	90.0
48"		65.0	120.0	90.0
30"	120"	65.0	120.0	90.0
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48"		65.0	120.0	90.0



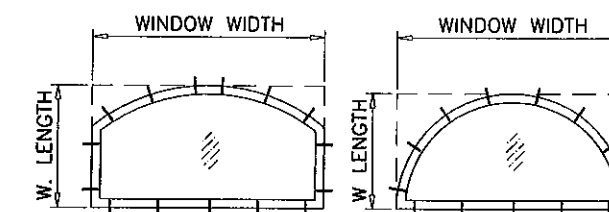
**NOTE:**  
WIDTH AND LENGTH DIMENSIONS CAN BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN ABOVE.



SEE CHART AT RIGHT FOR NUMBER OF ANCHORS REQUIRED AT EACH CORNER OF THESE SHAPES.



SEE CHART AT RIGHT FOR NUMBER OF ANCHORS REQUIRED AT EACH CIRCULAR OR SQUARE CORNER JOINT. USE (2) ADDL. ANCHORS AT MID POINT OF CIRCULAR FRAMES.



ALTERNATE ANCHORING AT CIRCULAR SHAPES  
USE ANCHORS AT 4" FROM EACH END AND 18" O.C. MAX.

ALLOWABLE LOADS FOR ALTERNATE SHAPES AS SHOWN ABOVE OR SIMILAR CAN BE VERIFIED BY INSCRIBING PICTURE WINDOW SHAPE WITHIN SQUARE OR RECTANGLE AS SHOWN IN DOTTED LINES AND OBTAINING ALLOWABLE LOADS FROM THOSE SHAPES.

**NOTE:**  
SEE GLASS LOAD CAPACITY CHART FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.  
SEE ANCHOR LOAD CAPACITY CHART FOR NUMBER OF ANCHORS REQUIRED AT EACH CORNER.  
LOWER DESIGN PRESSURES FROM GLASS OR ANCHOR CHARTS WILL APPLY TO ENTIRE SYSTEM.

ANCHORS LOAD CAPACITY - PSF				
WINDOW DIMS.		NUMBER OF ANCHORS AT EACH CURVED OR SQUARE CORNER JOINT		
WIDTH	LENGTH	2 ANCHORS EXT.(+)/INT.(-)	3 ANCHORS EXT.(+)/INT.(-)	4 ANCHORS EXT.(+)/INT.(-)
30"	90"	120.0	120.0	120.0
36"		110.0	120.0	120.0
42"		94.0	120.0	120.0
48"		82.0	120.0	120.0
54"		73.0	110.0	120.0
60"		66.0	99.0	120.0
30"	96"	120.0	120.0	120.0
36"		103.0	120.0	120.0
42"		88.0	120.0	120.0
48"		77.0	116.0	120.0
54"		69.0	103.0	120.0
60"		62.0	93.0	120.0
30"	102"	116.0	120.0	120.0
36"		97.0	120.0	120.0
42"		83.0	120.0	120.0
48"		73.0	109.0	120.0
54"		65.0	97.0	120.0
30"	108"	110.0	120.0	120.0
36"		92.0	120.0	120.0
42"		78.0	118.0	120.0
48"		69.0	103.0	120.0
30"	114"	104.0	120.0	120.0
36"		87.0	120.0	120.0
42"		74.0	112.0	120.0
48"		65.0	98.0	120.0
30"	120"	99.0	120.0	120.0
36"		82.0	120.0	120.0
42"		71.0	106.0	120.0
48"		62.0	93.0	120.0

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. **12-0320.11**  
Expiration Date **10/28/2014**

By *[Signature]*  
Miami Dade Product Control

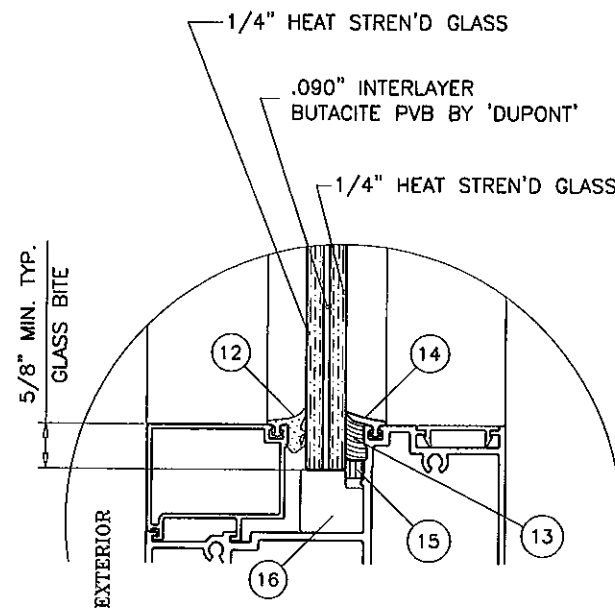
**NOTE:**  
GLASS CAPACITIES ON THIS SHEET ARE  
BASED ON ASTM E1300-04 (3 SEC. GUSTS).

Engr. JAVAD AHMAD  
CIVIL  
FLA. PE # 70592  
C.A.N. 3538  
*[Signature]*  
AUG 14 2012

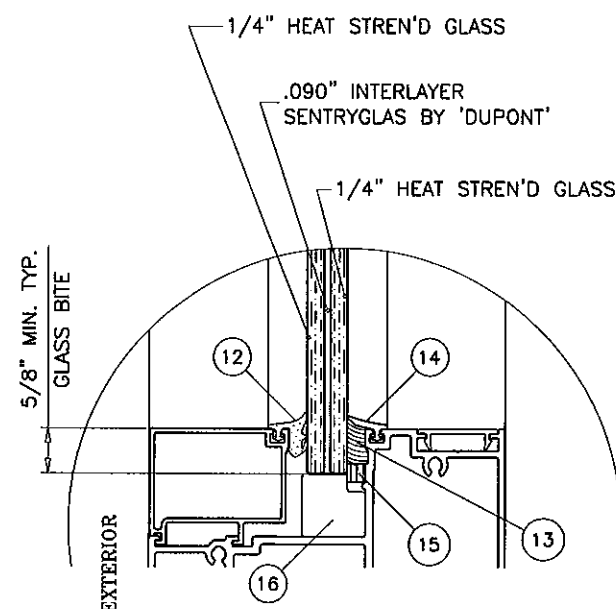
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
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SERIES 9500 ALUMINUM FIXED WDW. (L.M.I.)  
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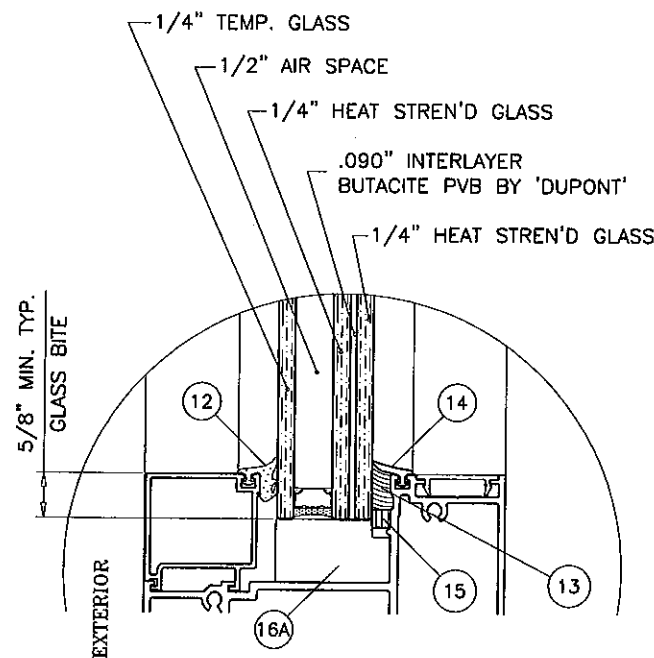
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	B	06.15.12		REV. PER PERA COMMENTS
date:	04-20-10			
scale:	-			
dr. by:	HAMID			
chk. by:				
drawing no.	W10-25			
sheet	2 of 9			



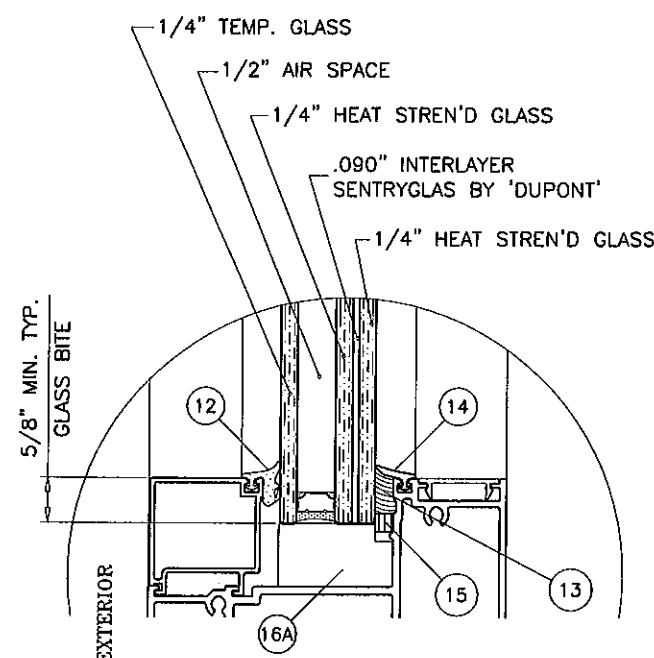
**GLASS TYPE 'A'**  
9/16" OVERALL LAMINATED GLASS



**GLASS TYPE 'B'**  
9/16" OVERALL LAMINATED GLASS



**GLASS TYPE 'A1'**  
1-5/16" OVERALL INSUL. LAM. GLASS

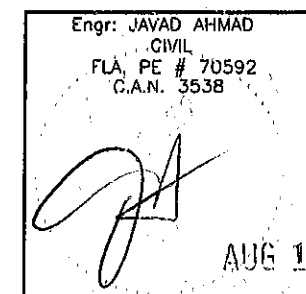


**GLASS TYPE 'B1'**  
1-5/16" OVERALL INSUL. LAM. GLASS

**GLAZING OPTIONS**

**1/2" AIR SPACE CONSISTING OF:**  
**SPACER:**  
ALUMINUM LOW PROFILE SPACER AROUND  
THE PERIMETER OF THE GLASS.  
**PRIMARY SEALANT:**  
SILICONE

PRODUCT REVISED  
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By *[Signature]*  
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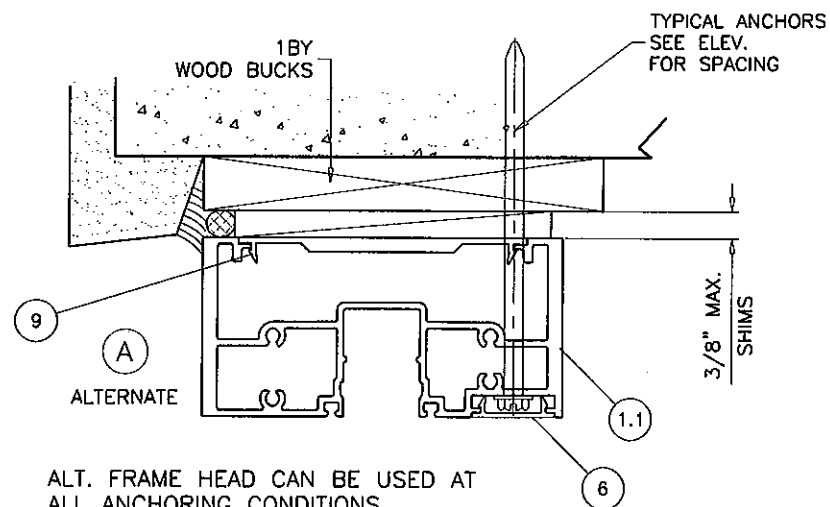
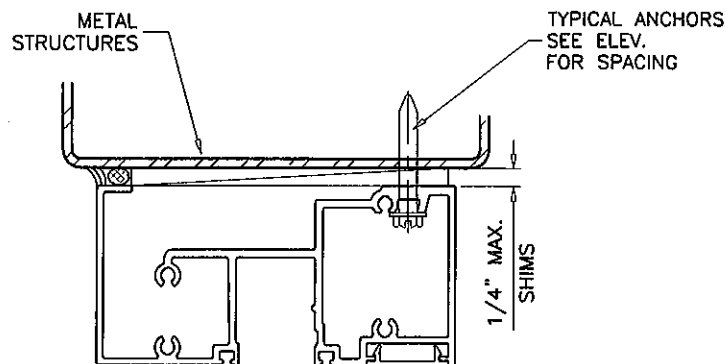
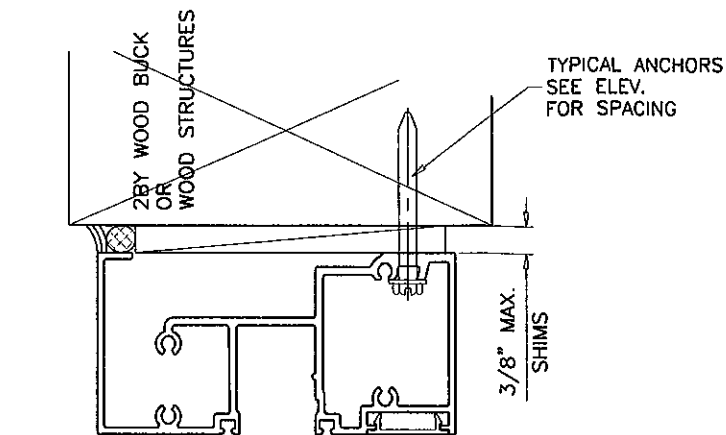
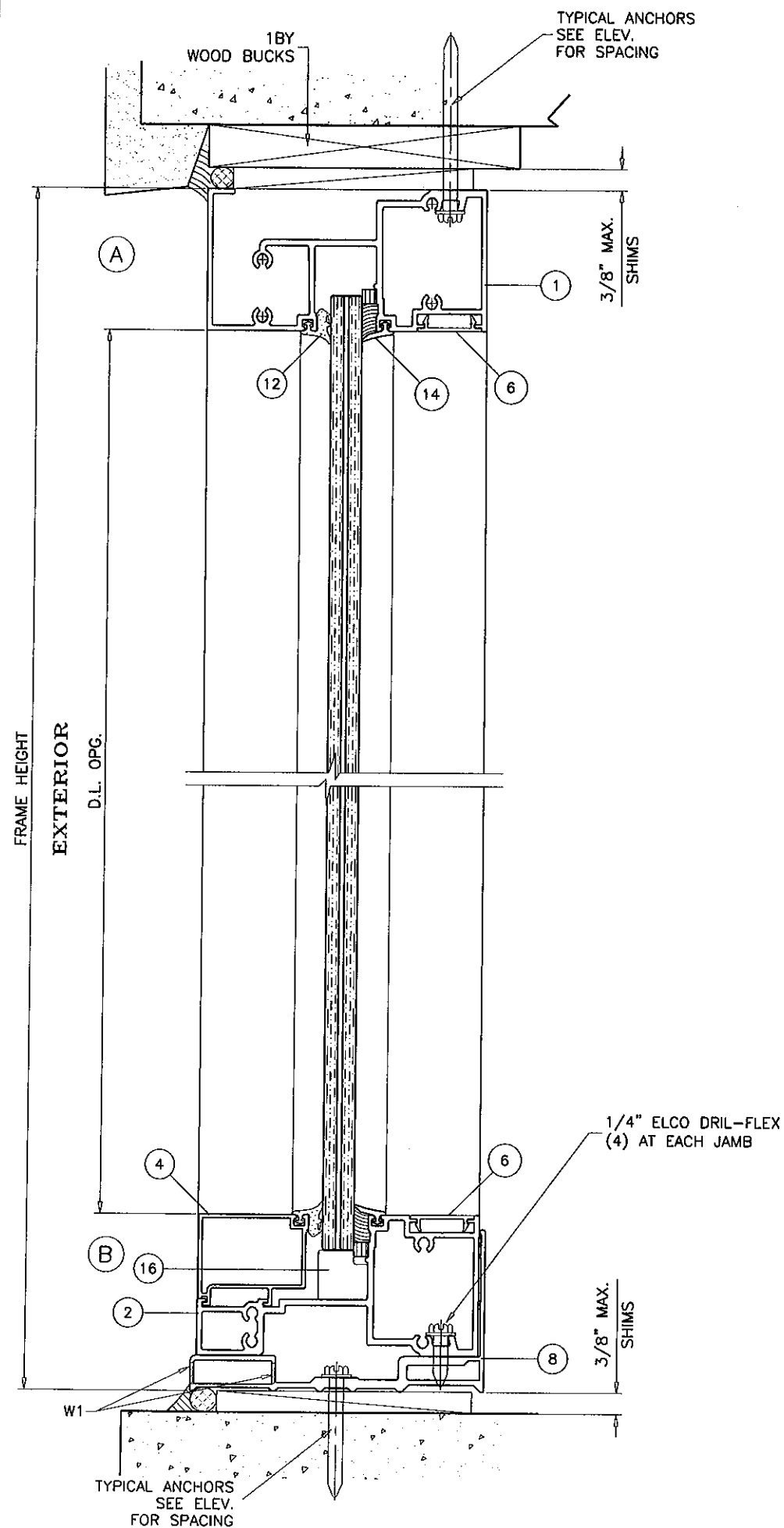
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**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
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TEL (305) 264-8100 FAX (305) 262-6978  
COMP-ANL\W10-25ES

SERIES 9500 ALUMINUM FIXED WDW. (L.M.I.)  
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no	date	by	description
A	03.13.12		UPDATED TO 2010 FBC
B	06.15.12		REV. PER PERA COMMENTS

date:	04-20-10
scale:	3/8" = 1"
dr. by:	HAMID
chk. by:	

drawing no.  
**W10-25**  
sheet 3 of 9



ALT. FRAME HEAD CAN BE USED AT ALL ANCHORING CONDITIONS.

#### WEEP HOLES:

- W1 = 3/8" WEEP HOLES  
 (1) AT 3" FROM EACH END  
 (2) AT EACH MULLION AT 3" FROM MULLION CENTERLINE.

#### SEALANTS:

ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER OF GLAZING BEAD TO FRAME SEALED WITH SILICONE SEALANT.

WOOD BUCKS AND METAL STRUCTURES NOT BY E.S. WDW. MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

#### TYPE 'A'

1/4" DIA HILTI KWIK CON II BY 'HILTI' (Fu=163 KSI, Fy=157 KSI)  
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES  
 WITH 1-1/2" MIN. PENETRATION INTO WOOD

THRU 1BY WOOD BUCKS INTO CONCRETE  
 WITH 1-1/4" MIN. EMBED INTO CONCRETE

DIRECTLY INTO CONCRETE  
 WITH 1-1/4" MIN. EMBED INTO CONC.

#### ANCHOR EDGE DISTANCES

INTO CONCRETE AND MASONRY = 2-1/2" MIN.  
 INTO WOOD STRUCTURE = 1" MIN.

#### TYPE 'B'

5/16" DIA ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)  
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES  
 WITH 1-3/8" MIN. PENETRATION INTO WOOD

THRU 1BY WOOD BUCKS INTO CONCRETE  
 WITH 1-1/4" MIN. EMBED INTO CONCRETE

DIRECTLY INTO CONCRETE  
 WITH 1-1/4" MIN. EMBED INTO CONC.

#### ANCHOR EDGE DISTANCES

INTO CONCRETE AND MASONRY = 2-1/2" MIN.  
 INTO WOOD STRUCTURE = 1" MIN. (1/4" ANCHORS)  
 INTO WOOD STRUCTURE = 1-1/4" MIN. (5/16" ANCHORS)

#### TYPE 'C'

#14 SMS OR SELF DRILLING SCREWS ST/ST (GRADE 2 CRS)

INTO METAL STRUCTURES

STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)

ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)

(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

#### ANCHOR EDGE DISTANCES

INTO METAL STRUCTURE = 1/2" MIN.

CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.  
 C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

#### PRODUCT REVISED

as complying with the Florida

Building Code

Acceptance No

Expiration Date

12-0320.11

01/28/2014

By

Miami Dade Product Control

LAMINATED GLASS

Engr: JAVAD AHMAD  
 CIVIL  
 FLA. PE # 70592  
 C.A.N. 3538  
 AUG 14 2012

**af c**  
**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 1235 S.W. 87 AVE  
 MIAMI, FLORIDA 33174  
 TEL (305) 264-8100 FAX (305) 262-6978  
 COMP-ANL W10-25ES

SERIES 9500 ALUMINUM FIXED WDW. (L.M.I.)  
**E.S. WINDOWS, LLC**  
 5220 N.W. 72 AVE. BAY #4  
 MIAMI, FL. 33166  
 TEL (305) 624-7775 FAX (305) 624-7777

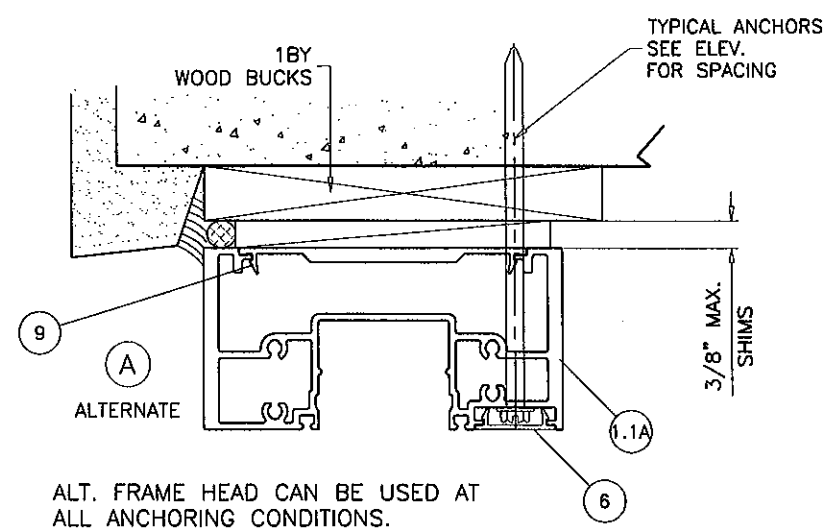
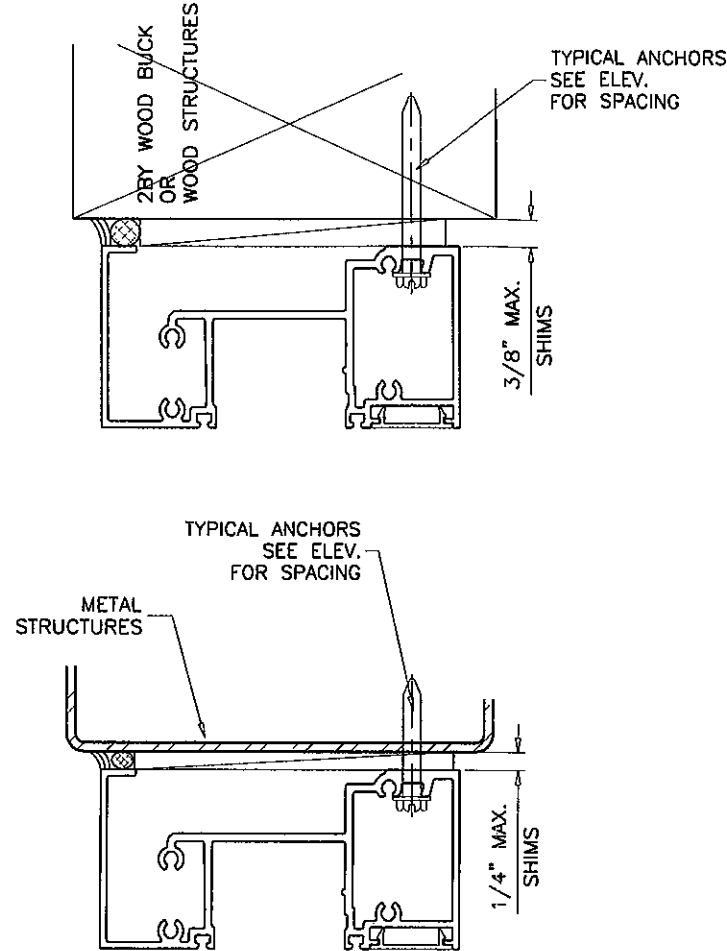
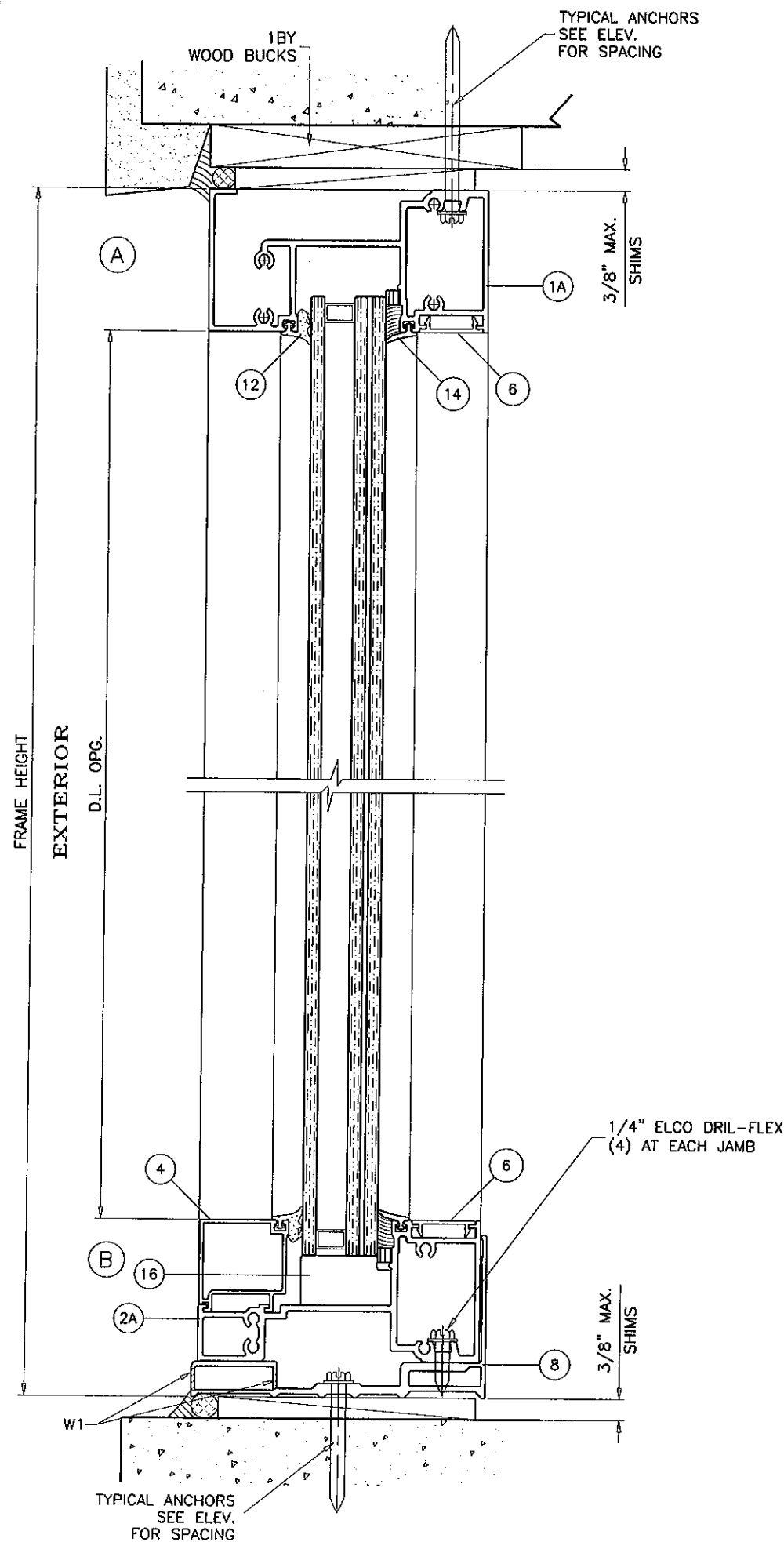
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date:	04-20-10
scale:	3/8" = 1"
dr. by:	HAMID
chk. by:	

drawing no.	W10-25
sheet	4 of 9



ALT. FRAME HEAD CAN BE USED AT ALL ANCHORING CONDITIONS.

INSUL. LAM. GLASS

PRODUCT REVISED  
as complying with the Florida  
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Acceptance No. 12-0320.11  
Expiration Date 10/28/2014  
By *[Signature]*  
Miami Dade Product Control

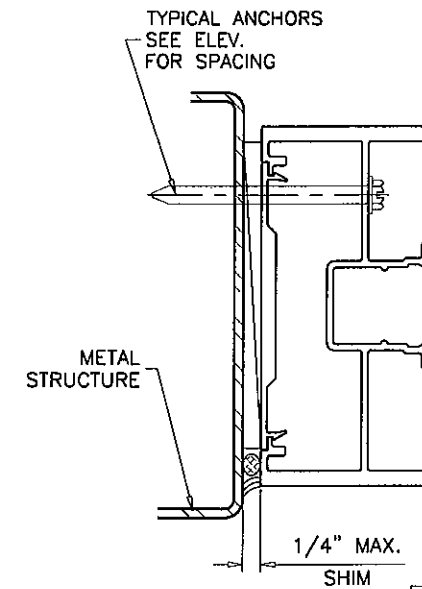
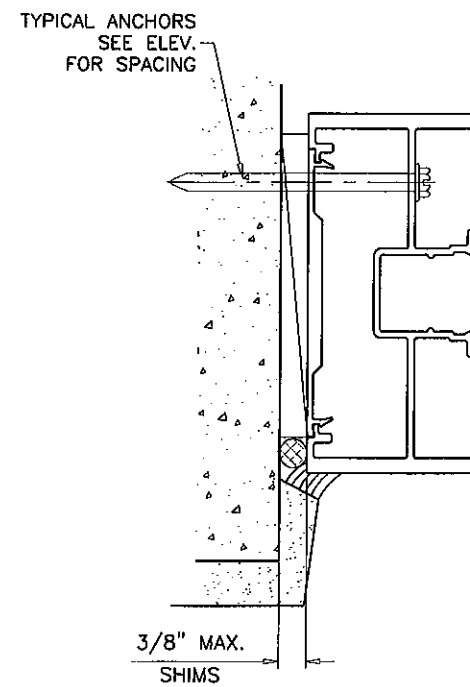
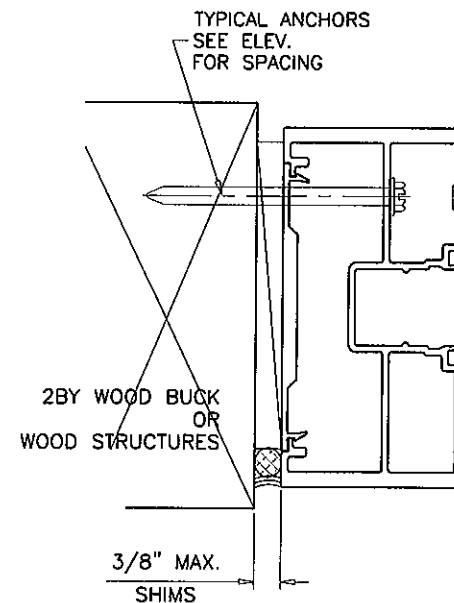
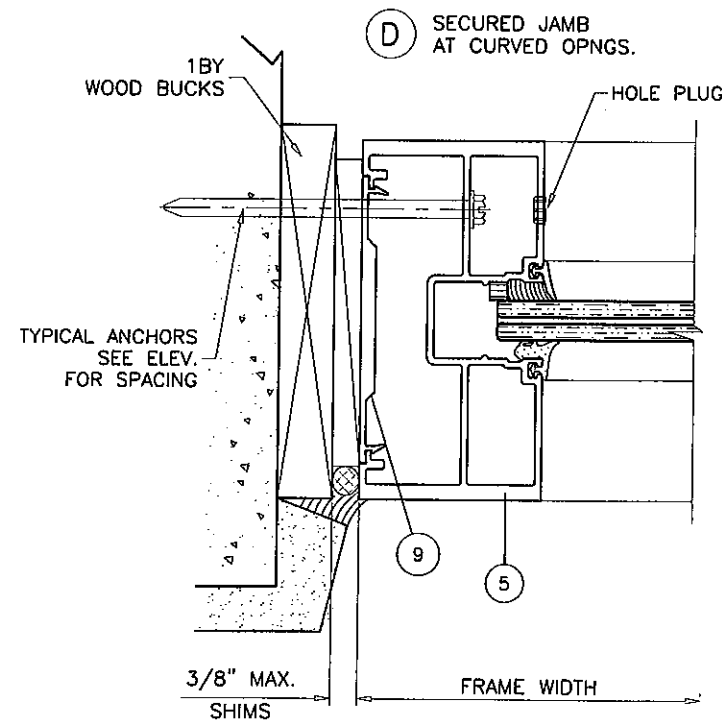
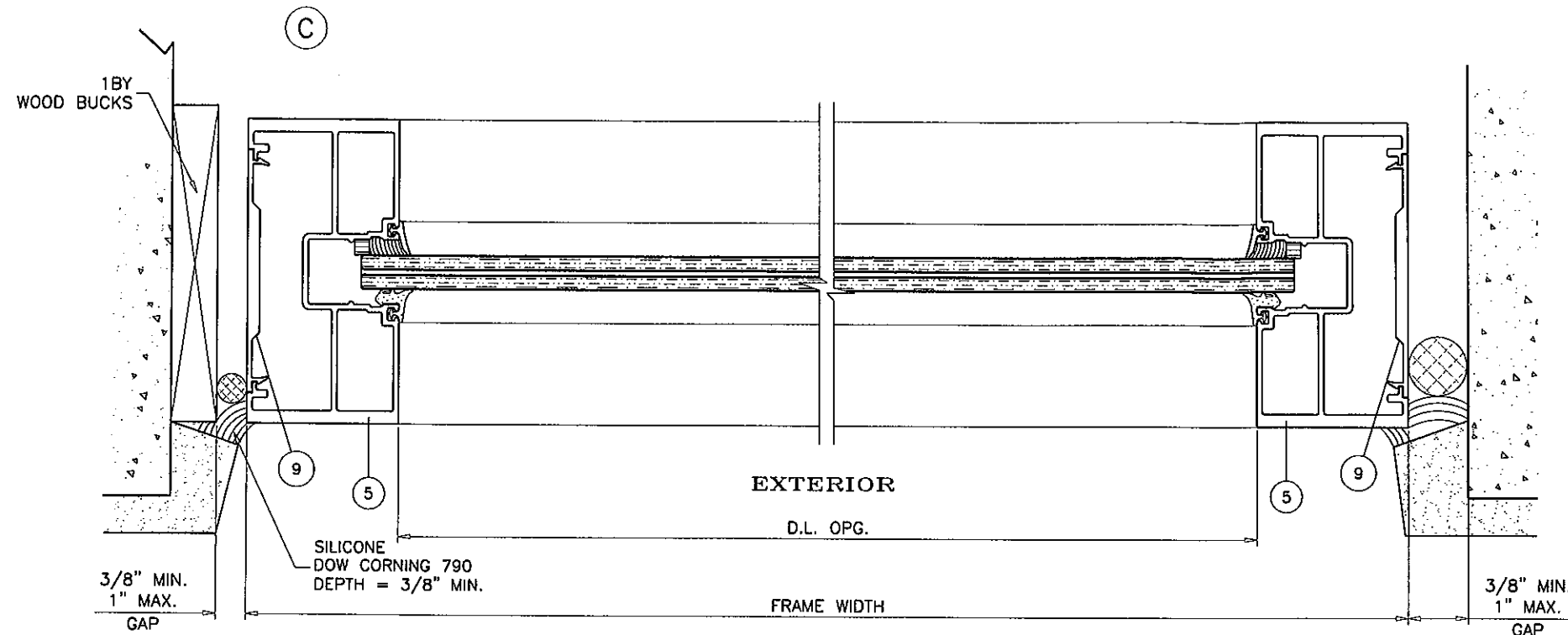
Engr: JAVAD AHMAD  
CIVIL  
FLA. PE # 70592  
C.A.N. 3538  
*[Signature]*  
AUG 14 2012

**af c**  
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL W10-25ES

SERIES 9500 ALUMINUM FIXED WDW. (L.M.I.)  
**E.S. WINDOWS, LLC**  
5220 N.W. 72 AVE. BAY #4  
MIAMI, FL. 33166  
TEL. (305) 624-7775 FAX. (305) 624-7777

revisions:				
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LAMINATED GLASS

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CIVIL  
FLA. PE # 70592  
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*[Signature]*  
AUG 14 2012

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COMP-ANL\W10-25ES

**af c**

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SERIES 9500 ALUMINUM FIXED WDW. (L.M.I.)

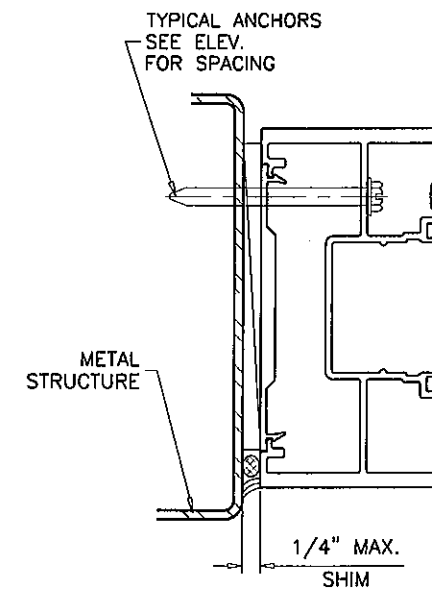
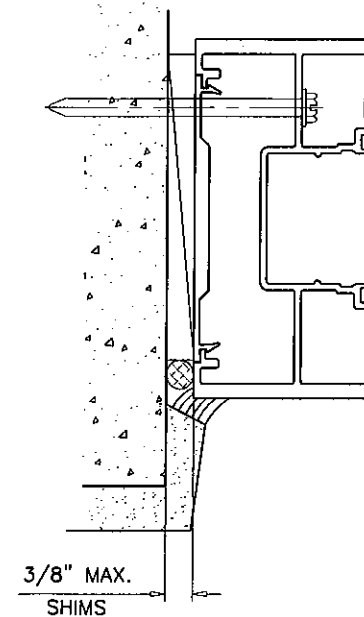
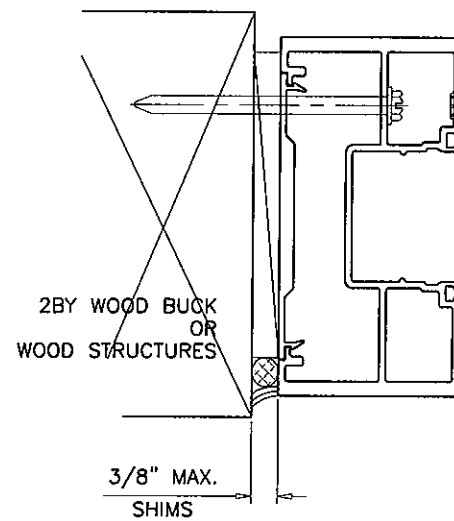
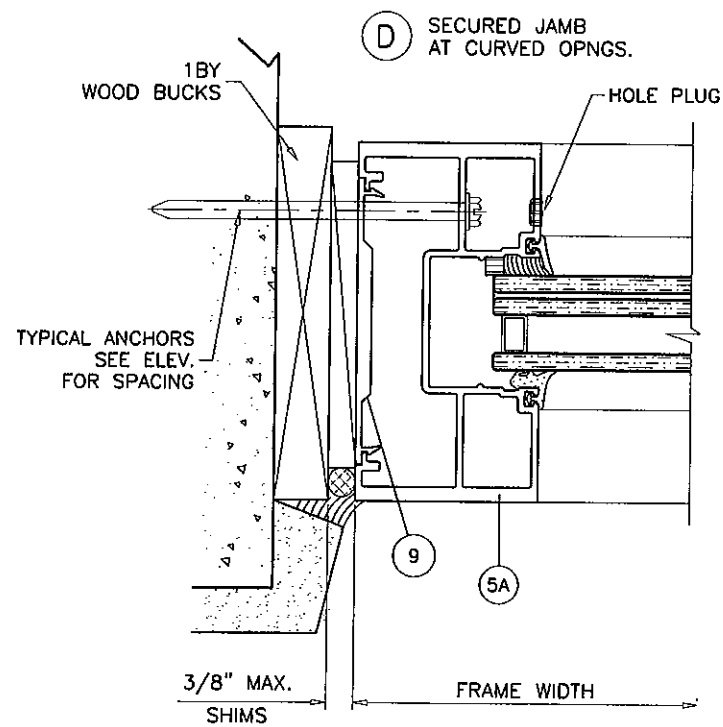
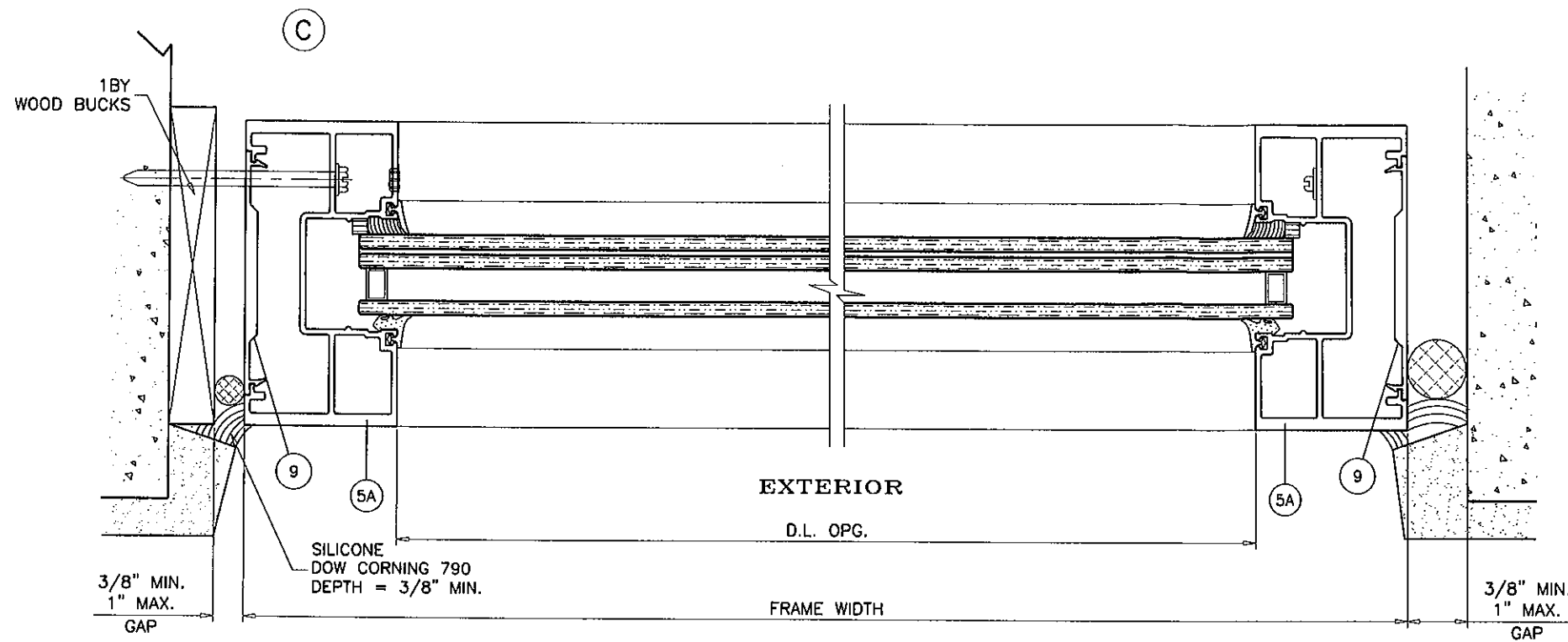
**E.S. WINDOWS, LLC**  
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no. date by description  
A 03.13.12 NO CHANGE THIS SHEET  
B 06.15.12 REV. PER PERA COMMENTS

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scale: 3/8" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
**W10-25**  
sheet 6 of 9



INSUL. LAM. GLASS

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Miami Dade Product Control

Engr: JAVAD AHMAD  
CIVIL  
FLA. PE. # 70592  
C.A.N. 3538  
*[Signature]*  
AUG 14 2012

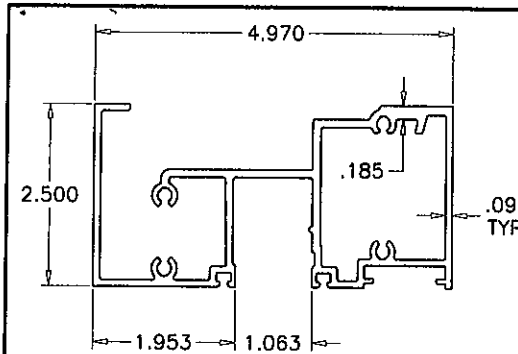
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**AL-FAROOQ CORPORATION**  
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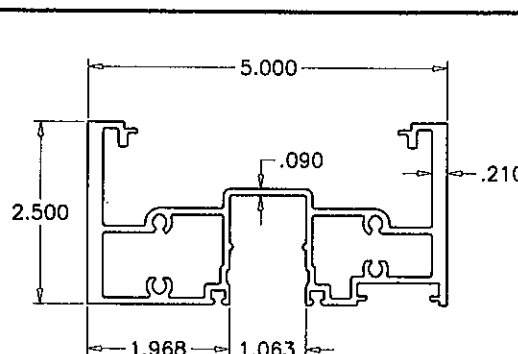
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chk. by:

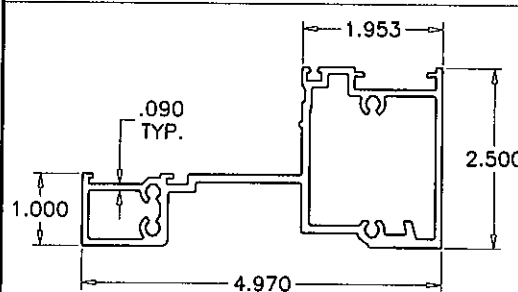
drawing no.  
**W10-25**  
sheet 7 of 9



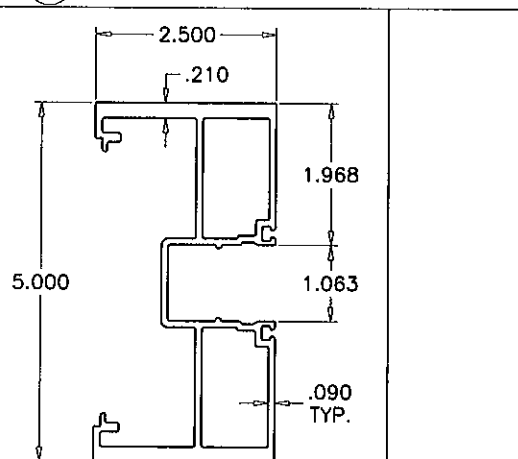
1 FRAME HEAD



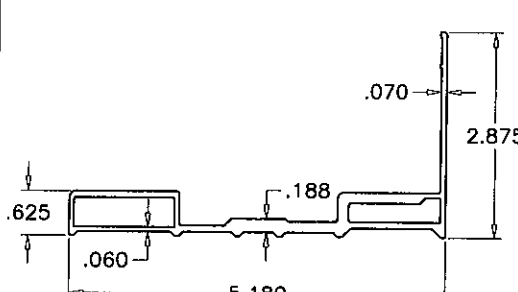
1.1 ALT. FRAME HEAD



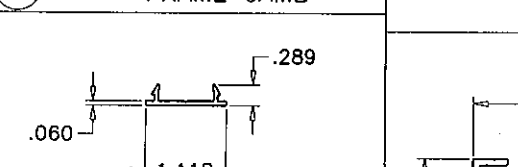
2 FRAME SILL



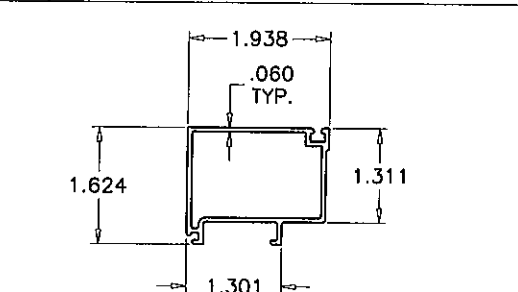
5 FRAME JAMB



8 SILL FLASHING



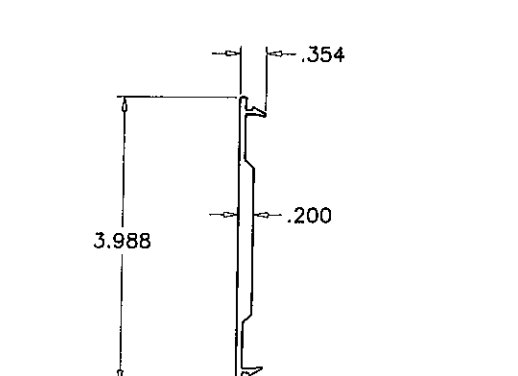
6 FRAME COVER



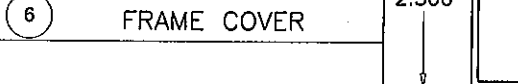
4 GLAZING STOP



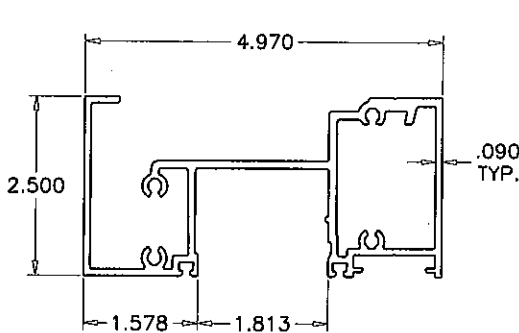
1A FRAME HEAD



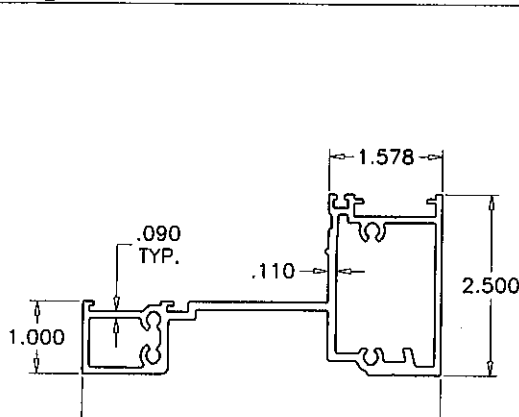
9 JAMB FILLER



2A FRAME SILL

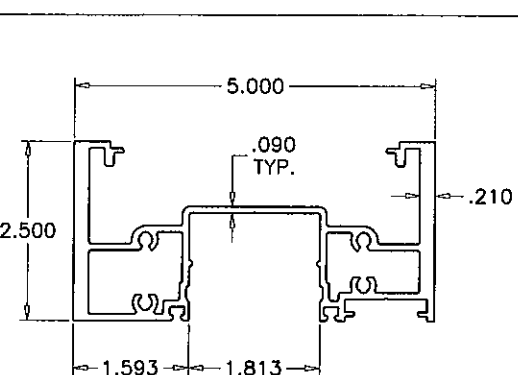


1.1A ALT. FRAME HEAD

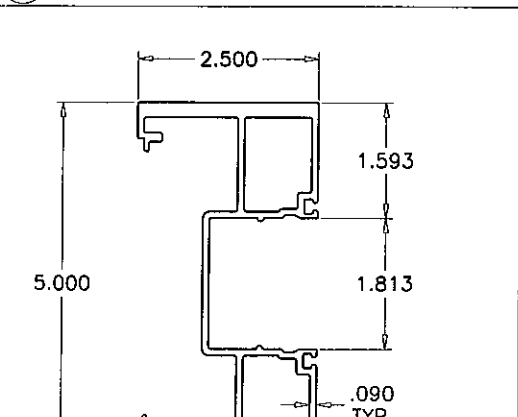


4A GLAZING STOP

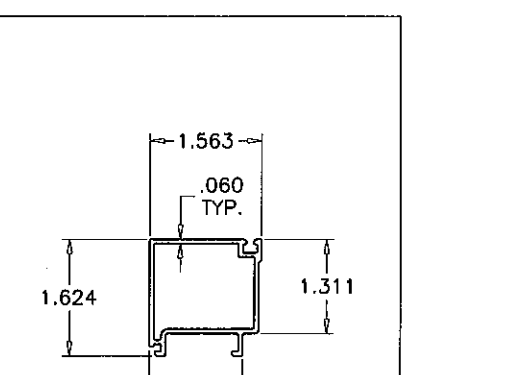
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1	ES9506	AS REQD.	FRAME HEAD (LAM. GLASS)	6063-T6	-
1.1	ES9511	AS REQD.	ALT. FRAME HEAD (LAM. GLASS)	6063-T6	-
2	ES9503	AS REQD.	FRAME SILL (LAM. GLASS)	6063-T6	-
4	ES9504	AS REQD.	GLAZING STOP (LAM. GLASS)	6063-T5	-
5	ES9507	AS REQD.	FRAME JAMB/MULLION (LAM. GLASS)	6063-T6	-
6	ES9502	AS REQD.	FRAME COVER	6063-T5	-
8	ES9501	AS REQD.	SILL FLASHING	6063-T5	-
9	ES9016	AS REQD.	JAMB FILLER	6063-T6	-
11	#12 X 1"	AS REQD.	FRAME ASSEMBLY SCREWS	ST/ST	P.H. SMS
12	27-432	AS REQD.	WEDGE GASKET	EPDM	DUROMETER 65±5 SHORE A
13	-	AS REQD.	GLAZING COMPOUND	SILICONE	DOW CORNING 795 OR 983
14	27-434	AS REQD.	TRIM GASKET	EPDM	DUROMETER 65±5 SHORE A
15	-	AS REQD.	INTERIOR SPACER 1/4" X 1/4"	POLYURETHANE	-
16	-	AS REQD.	SETTING BLOCK (LAM. GLASS)	EPDM	DUROMETER 75±5 SHORE A
16A	-	AS REQD.	SETTING BLOCK (INSUL. LAM. GLASS)	EPDM	DUROMETER 75±5 SHORE A
17	-	AS REQD.	SIDE BLOCK	EPDM	DUROMETER 75±5 SHORE A
1A	ES-9554	AS REQD.	FRAME HEAD (INSUL. LAM. GLASS)	6063-T6	-
1.1A	ES-9558	AS REQD.	ALT. FRAME HEAD (INSUL. LAM. GLASS)	6063-T6	-
2A	ES-9551	AS REQD.	FRAME SILL (INSUL. LAM. GLASS)	6063-T6	-
4A	ES-9552	AS REQD.	GLAZING STOP (INSUL. LAM. GLASS)	6063-T5	-
5A	ES-9555	AS REQD.	FRAME JAMB/MULLION (INSUL. LAM. GLASS)	6063-T6	-
7A	ES-9556	AS REQD.	POCKET FILLER (INSUL. LAM. GLASS)	6063-T6	-
16A	-	AS REQD.	SETTING BLOCK (INSUL. LAM. GLASS)	EPDM	-



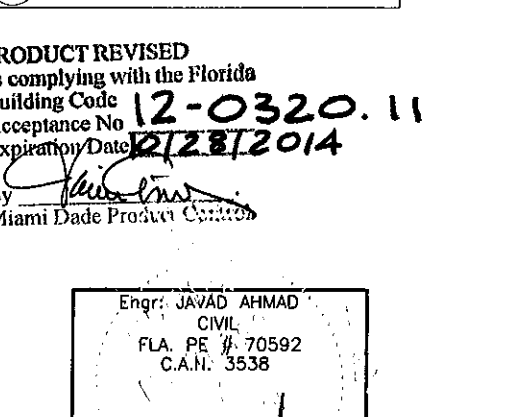
1A FRAME HEAD



1.1A ALT. FRAME HEAD



4A GLAZING STOP



5A FRAME JAMB/MULLION

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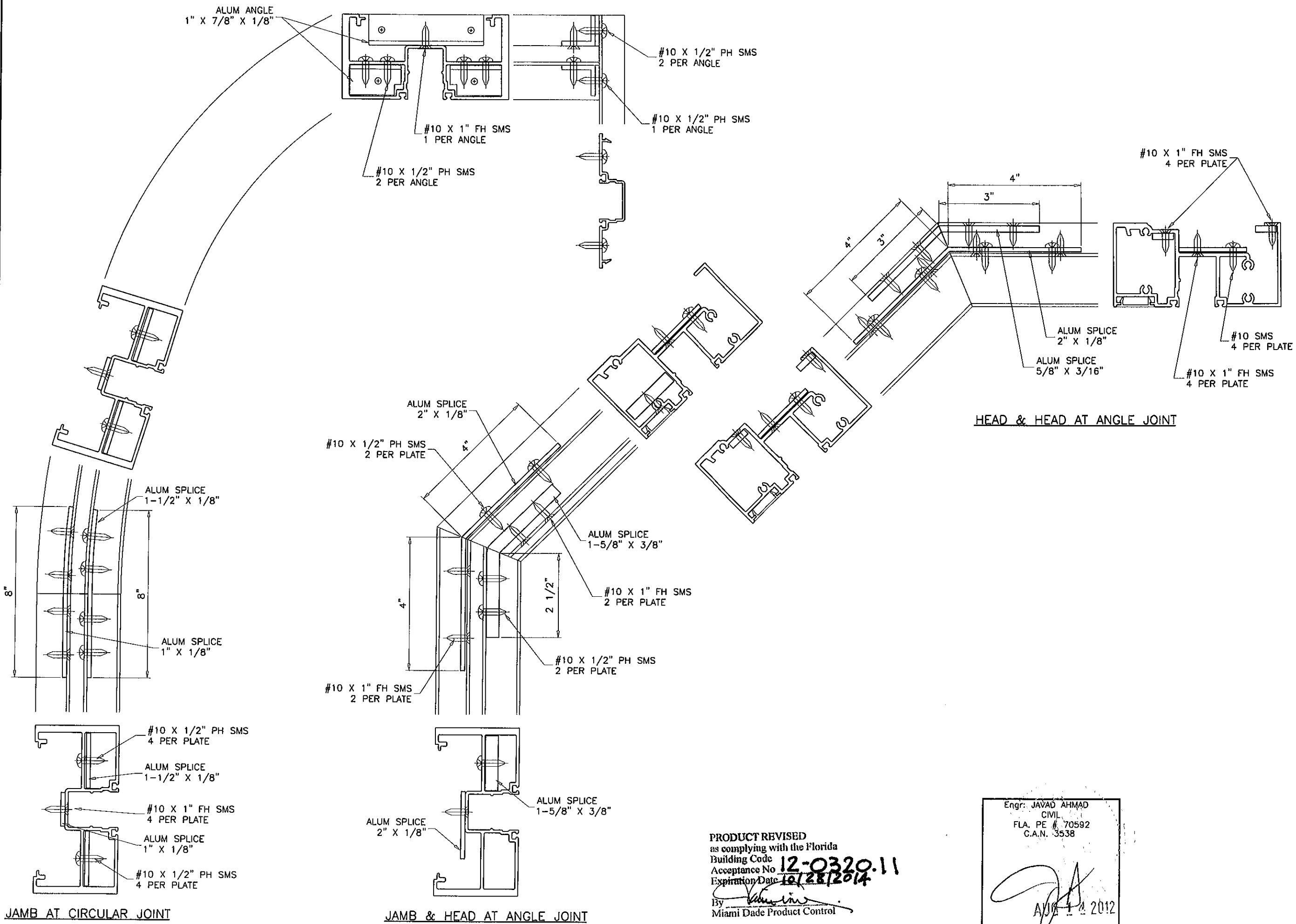
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dr. by: HAMID  
chk. by:

drawing no.  
**W10-25**  
sheet 8 of 9



**af c**  
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